



## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

24353

OR

☐ Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number	Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number:

24353

OR

☐ Firm or individual Name

Address

City

State

Zip

Country

Telephone

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Assignee Name and Address:

**The Board of Trustees of the Leland Stanford Junior University**

1705 El Camino Real  
Palo Alto, California 94306-1106

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

### SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature	<i>Katharine Ku</i>	Date	<i>Sept 14, 2005</i>
Name	<b>KATHARINE KU</b>	Telephone	
Title	<b>DIRECTOR</b>		

TECHNOLOGY LICENSING  
This collection of information is required by 37 CFR 1.31, 1.32, 1.33, 1.34, 1.35, 1.36, 1.37, 1.38, 1.39, 1.40, 1.41, 1.42, 1.43, 1.44, 1.45, 1.46, 1.47, 1.48, 1.49, 1.50, 1.51, 1.52, 1.53, 1.54, 1.55, 1.56, 1.57, 1.58, 1.59, 1.60, 1.61, 1.62, 1.63, 1.64, 1.65, 1.66, 1.67, 1.68, 1.69, 1.70, 1.71, 1.72, 1.73, 1.74, 1.75, 1.76, 1.77, 1.78, 1.79, 1.80, 1.81, 1.82, 1.83, 1.84, 1.85, 1.86, 1.87, 1.88, 1.89, 1.90, 1.91, 1.92, 1.93, 1.94, 1.95, 1.96, 1.97, 1.98, 1.99, 2.00, 2.01, 2.02, 2.03, 2.04, 2.05, 2.06, 2.07, 2.08, 2.09, 2.10, 2.11, 2.12, 2.13, 2.14, 2.15, 2.16, 2.17, 2.18, 2.19, 2.20, 2.21, 2.22, 2.23, 2.24, 2.25, 2.26, 2.27, 2.28, 2.29, 2.30, 2.31, 2.32, 2.33, 2.34, 2.35, 2.36, 2.37, 2.38, 2.39, 2.40, 2.41, 2.42, 2.43, 2.44, 2.45, 2.46, 2.47, 2.48, 2.49, 2.50, 2.51, 2.52, 2.53, 2.54, 2.55, 2.56, 2.57, 2.58, 2.59, 2.60, 2.61, 2.62, 2.63, 2.64, 2.65, 2.66, 2.67, 2.68, 2.69, 2.70, 2.71, 2.72, 2.73, 2.74, 2.75, 2.76, 2.77, 2.78, 2.79, 2.80, 2.81, 2.82, 2.83, 2.84, 2.85, 2.86, 2.87, 2.88, 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16.74, 16.75, 16.76, 16.77, 16.78, 16.79, 16.80, 16.81, 16.82, 16.83, 16.84, 16.85, 16.86, 16.87, 16.88, 16.89, 16.90, 16.91, 16.92, 16.93, 16.94, 16.95, 16.96, 16.97, 16.98, 16.99, 17.00, 17.01, 17.02, 17.03, 17.04, 17.05, 17.06, 17.07, 17.08, 17.09, 17.10, 17.11, 17.12, 17.13, 17.14, 17.15, 17.16, 17.17, 17.18, 17.19, 17.20, 17.21, 17.22, 17.23, 17.24, 17.25, 17.26, 17.27, 17.28, 17.29, 17.30, 17.31, 17.32, 17.33, 17.34, 17.35, 17.36, 17.37, 17.38, 17.39, 17.40, 17.41, 17.42, 17.43, 17.44, 17.45, 17.46, 17.47, 17.48, 17.49, 17.50, 17.51, 17.52, 17.53, 17.54, 17.55, 17.56, 17.57, 17.58, 17.59, 17.60, 17.61, 17.62, 17.63, 17.64, 17.65, 17.6

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: The Board of Trustees of the Leland Stanford Junior UniversityApplication No./Patent No.: 10/663,497Filed/Issue Date: September 15, 2003Entitled: T CELL REGULATORY GENES ASSOCIATED WITH IMMUNE DISEASE

The Board of Trustees of the Leland Stanford Junior University, a non-profit organization,  
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states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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The document was recorded in the Patent and Trademark Office at  
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

**[NOTE:** A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFT Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

Nov. 25<sup>th</sup>, 2004  
 Date

Katharine Ku  
 Signature

Katharine Ku

Typed or printed name

Director, Technology Licensing  
 Title



PTO/SB/98 (8-98)

Approved for use through 09/30/2000. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Dana-Farber Cancer Institute, INC.Application No./Patent No.: 10/663,497Filed/Issue Date: September 15, 2003Entitled: T CELL REGULATORY GENES ASSOCIATED WITH IMMUNE DISEASEDana-Farber Cancer Institute, INC., a non-profit organization,

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☐ the assignee of the entire right, title, and interest; or
2. ☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☐ An assignment from the inventor(s) of the patent application/patent above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_\_\_, Frame \_\_\_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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☐ Additional documents in the chain of title are listed on a supplemental sheet.☒ Copies of assignments or other documents in the chain of title are attached.

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The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

January 21, 2005  
Date

TAMELA D. ARINIELLO  
Signature

TAMELA D. ARINIELLO  
Typed or printed name

PATENT COUNSEL  
Title

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 19, 2006

PTAS

BOZICEVIC, FIELD & FRANCIS LLP  
1900 UNIVERSITY BLVD  
EAST PALO ALTO, CA 94303**\*800023888A\*****\*800023888A\***UNITED STATES PATENT AND TRADEMARK OFFICE  
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RECORDATION DATE: 01/19/2006

REEL/FRAME: 017038/0218  
NUMBER OF PAGES: 2BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: STAN-235CIP

## / ASSIGNOR:

FREEMAN, GORDON J.

/ DOC DATE: 08/05/2005

## / ASSIGNEE:

DANA-FARBER CANCER INSTITUTE, INC.  
44 BINNEY STREET  
BOSTON, MASSACHUSETTS 02115

SERIAL NUMBER: 10663497

/ FILING DATE: 09/15/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: T CELL REGULATORY GENES ASSOCIATED WITH IMMUNE DISEASE

*Pol/19/06*

017038/0218 PAGE 2

ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

## PATENT ASSIGNMENT

Electronic Version v08

Stylesheet Version v02

01/19/2006  
800023888

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DATE SIGNED:	2006-01-13												
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OP \$40.00 10663497

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JAN 19 2006

Bozicevic, Field, &amp; Francis

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STAN 235 CIP.

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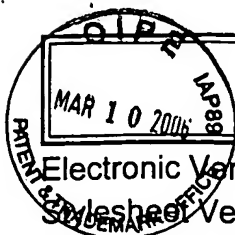
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Electronic Version 1.1

Stylesheet Version v1.1.1

## Title of Invention

T CELL REGULATORY GENES ASSOCIATED WITH IMMUNE  
DISEASE

Submission Type: Patent Assignment

Application Number: 10/663497

\*10/663497\*

EFS ID: 101724

Server Response:

Confirmation Code	Message
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USPTOEFSNotice	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebs/">http://www.uspto.gov/ebs/</a>

First Named Applicant: JENNIFER MCINTIRE

Attorney Docket Number: STAN-235CIP

Timestamp: 2006-01-19 17:36:52 EDT

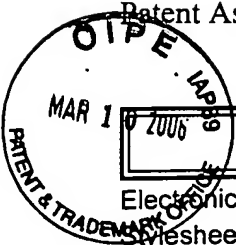
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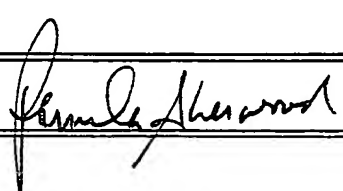


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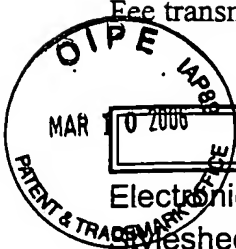
**PATENT ASSIGNMENT RECORDATION COVER SHEET**

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Worksheet Version: 3.0.0

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CUSTOMER NUMBER: 024353 When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.											
Phone: 6503273400											
<b>NAME OF PERSON SIGNING:</b>	Pamela Sherwood										
<b>eSIGNATURE:</b>	/Pamela Sherwood/ 										
<b>DATE SIGNED:</b>	01/13/2006										
<b>Total Attachments: 1</b>											

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## FEE TRANSMITTAL

Electronic Version v10  
 Stylesheet Version v10

<b>Title of Invention</b>	<b>T CELL REGULATORY GENES ASSOCIATED WITH IMMUNE DISEASE</b>																		
Application Number: 10/663497 <span style="float: right;">*10/663497*</span> Date: 2003-09-15 First Named Applicant: JENNIFER JONES MCINTIRE Attorney Docket Number: STAN-235CIP																			
<h2 style="margin: 0;">TOTAL FEE AUTHORIZED \$40</h2> <p style="margin: 5px 0;">Patent fees are subject to annual revisions on or about October 1st of each year.</p>																			
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Subtotal For Assignment Fees: \$40																			
<b>AUTHORIZED BILLING INFORMATION</b> The commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Credit account number: 1002 Expiration Date (YYYYMMDD): 2007-04-30 Authorized name: Karl Bozicevic Billing address: 94303																			

# ASSIGNMENT OF APPLICATION (S.C.I.E)

Atty Docket No. STAN-235CIP

THIS ASSIGNMENT, by FREEMAN, GORDON J. (hereinafter referred to as the assignor), residing in Boston, MA, witnesseth:

WHEREAS, the said assignor has invented certain new and useful improvements in:

## "T CELL REGULATORY GENES ASSOCIATED WITH IMMUNE DISEASE"

x filed on September 15, 2003 as U.S. Application Serial No. 10/663,497 or PCT International Application No. designating the United States.

       for which an application for a United States Patent was executed on       , and

WHEREAS, Dana-Farber Cancer Institute, Inc. a non-profit duly organized under and pursuant to the laws of Massachusetts, and having its principal place of business at 44 Binney Street, Boston, Massachusetts 02115 (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient considerations, the receipt of which is hereby acknowledged, said assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignor, had this sale and assignment not been made.

AND for the same consideration, the said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignor is the sole and lawful owner of the entire right, title and interest in and to said invention and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that said assignor will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND the said assignor hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the sole use and behalf of said assignee, its successors, legal representatives and assigns.

Date August 5, 2005

Name of Inventor Gordon J. Freeman  
FREEMAN, GORDON J.

**UNITED STATES PATENT AND TRADEMARK OFFICE**UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JANUARY 19, 2006

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**\*800023887A\***BOZICEVIC, FIELD & FRANCIS LLP  
1900 UNIVERSITY BLVD  
EAST PALO ALTO, CA 94303

\*800023887A\*

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RECORDATION DATE: 01/19/2006

REEL/FRAME: 017038/0220  
NUMBER OF PAGES: 5BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).  
DOCKET NUMBER: STAN-235CIP

ASSIGNOR:

MCINTIRE, JENNIFER JONES

DOC DATE: 11/16/2005

ASSIGNOR:

DEKRUYFF, ROSEMARIE

DOC DATE: 12/13/2004

ASSIGNOR:

UMETSU, DALE T.

DOC DATE: 12/13/2004

ASSIGNEE:

THE BOARD OF TRUSTEES OF THE  
LELAND STANFORD JUNIOR  
UNIVERSITY1705 EL CAMINO REAL  
PALO ALTO, CALIFORNIA 94306-1106

017038/0220 PAGE 2

SERIAL NUMBER: 10663497

FILING DATE: 09/15/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: T CELL REGULATORY GENES ASSOCIATED WITH IMMUNE DISEASE

DIANE RUSSELE, PARALEGAL  
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## PATENT ASSIGNMENT

Electronic Version v08

Stylesheet Version v02

01/19/2006  
800023887

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT OF ASSIGNOR'S INTEREST

## CONVEYING PARTY DATA

Name	Execution Date
JENNIFER JONES MCINTIRE	2005-11-16
ROSEMARIE DEKRUYFF	2004-12-13
DALE T. UMETSU	2004-12-13

## RECEIVING PARTY DATA

Name	Street Address	Internal Address	City	State/Country	Postal Code
The Board of Trustees of the Leland Stanford Junior University	1705 El Camino Real		Palo Alto	CALIFORNIA	94306- 1106

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number	10663497

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CUSTOMER NUMBER: 024353

NAME OF PERSON SIGNING:

Pamela Sherwood

DATE SIGNED:

2006-01-13

Total Attachments: 4

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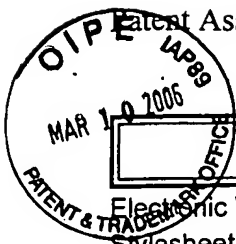
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*Patent*

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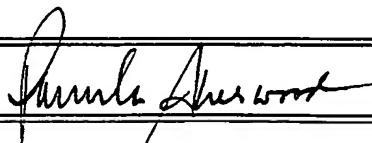
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Digital Certificate Holder Name: cn=Pamela J. Sherwood,ou=Registered  
Attorneys,ou=Patent and Trademark  
Office,ou=Department of Commerce,o=U.S.  
Government,c=US

**PATENT ASSIGNMENT RECORDATION COVER SHEET**

Electronic Version: v08

Stylesheet Version: 3.0.0

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT OF ASSIGNOR'S INTEREST										
<b>CONVEYING PARTY DATA</b>											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>JENNIFER JONES MCINTIRE</td><td>11/16/2005</td></tr><tr><td>ROSEMARIE DEKRUUFF</td><td>12/13/2004</td></tr><tr><td>DALE T. UMETSU</td><td>12/13/2004</td></tr></tbody></table>	Name	Execution Date	JENNIFER JONES MCINTIRE	11/16/2005	ROSEMARIE DEKRUUFF	12/13/2004	DALE T. UMETSU	12/13/2004			
Name	Execution Date										
JENNIFER JONES MCINTIRE	11/16/2005										
ROSEMARIE DEKRUUFF	12/13/2004										
DALE T. UMETSU	12/13/2004										
<b>RECEIVING PARTY DATA</b>											
<table border="1"><tr><td><b>Name:</b></td><td>The Board of Trustees of the Leland Stanford Junior University</td></tr><tr><td><b>Street Address:</b></td><td>1705 El Camino Real</td></tr><tr><td><b>City:</b></td><td>Palo Alto</td></tr><tr><td><b>State:</b></td><td>CALIFORNIA</td></tr><tr><td><b>Postal Code:</b></td><td>94306-1106</td></tr></table>	<b>Name:</b>	The Board of Trustees of the Leland Stanford Junior University	<b>Street Address:</b>	1705 El Camino Real	<b>City:</b>	Palo Alto	<b>State:</b>	CALIFORNIA	<b>Postal Code:</b>	94306-1106	
<b>Name:</b>	The Board of Trustees of the Leland Stanford Junior University										
<b>Street Address:</b>	1705 El Camino Real										
<b>City:</b>	Palo Alto										
<b>State:</b>	CALIFORNIA										
<b>Postal Code:</b>	94306-1106										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td><b>Application Number:</b></td><td>10663497</td></tr></tbody></table>	Property Type	Number	<b>Application Number:</b>	10663497							
Property Type	Number										
<b>Application Number:</b>	10663497										
<b>CORRESPONDENCE DATA</b>											
Fax Number: 6503273231											
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
CUSTOMER NUMBER: 024353											
When the customer number has been provided, the Office of Public Records will obtain the correspondence data from the official record on file at the USPTO.											
Phone: 6503273400											
<b>NAME OF PERSON SIGNING:</b>	Pamela Sherwood 										
<b>eSIGNATURE:</b>	/Pamela Sherwood/										

**DATE SIGNED:**

01/13/2006

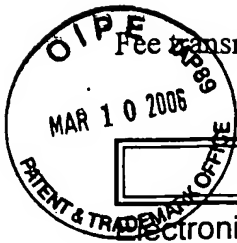
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**FEE TRANSMITTAL**

Electronic Version v10

Stylesheet Version v10

<b>Title of Invention</b>	T CELL REGULATORY GENES ASSOCIATED WITH IMMUNE DISEASE																						
Application Number: 10/663497 *10/663497*																							
Date: 2003-09-15																							
First Named Applicant: JENNIFER JONES MCINTIRE																							
Attorney Docket Number: STAN-235CIP																							
<b>TOTAL FEE AUTHORIZED \$40</b>																							
Patent fees are subject to annual revisions on or about October 1st of each year.																							
<b>PATENT ASSIGNMENT FEES</b>																							
<table border="1"><thead><tr><th>Fee Description</th><th>Property Number</th><th>Quantity</th><th>Fee Code</th><th>Amount \$</th><th>Fee Paid \$</th></tr></thead><tbody><tr><td>Recording Each Patent Assignment Per Property Fee</td><td>10663497</td><td>1</td><td>8021</td><td>40</td><td>40</td></tr><tr><td colspan="6">Subtotal For Assignment Fees: \$40</td></tr></tbody></table>						Fee Description	Property Number	Quantity	Fee Code	Amount \$	Fee Paid \$	Recording Each Patent Assignment Per Property Fee	10663497	1	8021	40	40	Subtotal For Assignment Fees: \$40					
Fee Description	Property Number	Quantity	Fee Code	Amount \$	Fee Paid \$																		
Recording Each Patent Assignment Per Property Fee	10663497	1	8021	40	40																		
Subtotal For Assignment Fees: \$40																							
<b>AUTHORIZED BILLING INFORMATION</b>																							
The commissioner is hereby authorized to charge indicated fees and credit any overpayments to:																							
Credit account number: 1002																							
Expiration Date (YYYYMMDD): 2007-04-30																							
Authorized name: Karl Bozicevic																							
Billing address: 94303																							

ASSIGNMENT

WHEREAS WE, MCINTIRE, Jennifer Jones of 110 Charles Marx Way, P.A., CA 94304 DEKRUYFF, Rosemarie of 825 Allardice Way, Stanford, California, 94305, and UMETSU, Dale T. of 825 Allardice Way, Stanford, California 94305, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled T CELL REGULATORY GENES ASSOCIATED WITH IMMUNE DISEASE, for which an application for United States Letters Patent was filed on September 15, 2003, and identified by United States Application No. 10/663,497;

AND WHEREAS, The Board of Trustees of the Leland Stanford Junior University; a non-profit organization duly organized under the laws of the state of California, having its principal place of business located at 1705 El Camino Real, Palo Alto, California 94306-1106 is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, We do hereby sell, assign, transfer and set over unto The Board of Trustees of the Leland Stanford Junior University, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including the right of priority and including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, We hereby agree with the said assignee that We will not execute any writing or do any act whatsoever conflicting with these presents, and that We will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND We request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to The Board of Trustees of the Leland Stanford Junior University, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Serial No.: 10/663,497

11/16/2005  
Date

JM McIntire  
MCINTIRE, Jennifer Jones

STATE OF \_\_\_\_\_ )  
 ) SS:  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared MCINTIRE, Jennifer Jones, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_

12/13/04  
Date

Rosemarie DeKruyff  
DEKRUYFF, Rosemarie

STATE OF \_\_\_\_\_ )  
 ) SS:  
COUNTY OF \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared DEKRUYFF, Rosemarie, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_



Serial No.: 10/663,497

Date \_\_\_\_\_

MCINTIRE, Jennifer Jones

STATE OF \_\_\_\_\_)

\_\_\_\_\_ ) SS:

COUNTY OF \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared MCINTIRE, Jennifer Jones, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires \_\_\_\_\_

Date

12/13/04

*Rosemarie DeKruyff*  
DEKRUYFF, Rosemarie

STATE OF \_\_\_\_\_)

\_\_\_\_\_ ) SS:

COUNTY OF \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared DEKRUYFF, Rosemarie, to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

Notary Public

My commission expires \_\_\_\_\_

Serial No.: 10/663,497

12/13/04

Dale T. Umetsu

Date

UMETSU, Dale T.

STATE OF \_\_\_\_\_)

\_\_\_\_\_ ) SS:  
COUNTY OF \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me personally appeared UMETSU, Dale T., to me known to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

S E A L

\_\_\_\_\_  
Notary Public

My commission expires \_\_\_\_\_